

INFORMATION FROM

REPORT

CD NO.

LANGUAGE Russian

THIS IS UNEVALUATED INFORMATION

COPPER SMELTING IN THE USSR

Plant	Cu	Fe	Zn	S	SiO ₂	Al ₂ O ₃	CaO + MgO
Krasnoural'sk	15.62	49.66	2.86	28.26	1.18	0.44	--
Kirovograd	19.57	45.20	3.45	25.14	1.22	0.61	--
Karabash	24.34	44.35	1.55	22.19	1.48	1.76	0.63
Allevard1	25.08	41.64	5.73	22.31	1.26	2.10	1.58
Allevard1	30.00	38.02	2.56	23.65	1.24	2.99	1.71
Allevard1	35.06	30.09	2.14	25.47	1.56	2.72	2.50
Karskapsysk	59.03	14.52	--	22.87	0.36	2.0	1.20

<u>Plant</u>	<u>Type of Smelting</u>	<u>SiO₂</u>	<u>Fe</u>	<u>FeO</u>	<u>CaO</u>	<u>Al₂O₃</u>	<u>Cu</u>	<u>S</u>	<u>Zn</u>
Karabash	Pyritic	32-33	BaO 2.5-3.0	47-49	3.8-4.5	6.7-7.0	0.3-0.35	1.5-1.8	2.2-2.6
Karabash	Semi-pyritic	35-36	BaO 2.5-3.0	40-44	5-7	6-7	0.24-0.27	1.5-1.8	2.5-3.7
Kirovo-grad	Pyritic	30-32	--	40-45	5.8	4.5	0.35-0.4	--	--

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Table 3. Composition of Tails Obtained in Processing at Various Plants

Plant	Cu	Ag	Au	Pb	Bi	Sb	As	Se	Te	Fe	SiO ₂	CaO	Mg
Alaverdi	26.20	54.67	--	--	--	--	--	2.86	--	0.34	9.10	--	--
Zangezur	9.92	51.88	--	--	--	--	--	--	--	0.29	4.80	--	--
Kirovograd	22.33	49.70	4.17	11.10	1.53	3.61	0.61	13.59	2.10	0.42	8.40	--	--
Karabash	26.97	37.49	3.43	8.41	--	--	--	14.18	0.98	0.50	4.00	--	--
Karabash and Kirovograd	19.3	50.10	2.50	7.20	0.1	0.2	0.1	4.8	0.30	0.30	8.30	0.5	0.9

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